

## **PAVEMENT STRENGTH SURVEY/PAVEMENT CONDITION SURVEY**

		SUB					PAVEN	MENT ST	RENGTH	
PAVE. IDENT.	SOIL CLASS	GRADE	SUBBASE COURSE	BASE COURSE	SURFACE COURSE	OVERLAY	MAX. G	ROSS LO	DAD (LBS)	REMARKS
		CLASS					SINGLE	DUAL	DUAL TAN.	
					RUNWAYS	3				
R-1	CBR=12			4" P-208	2.5" P-401	2"P-401, P-609	12,500			1,3,4,6
R-2			P-154	4" P-208	2.5" P-401	2"P-401, P-609				2,3,4,6
T 1	ODD 40		<u> </u>	4" P-208	TAXIWAYS		10.500		1	1.4.0
T-1 T-2	CBR=12		P-154	4" P-208	2.5" P-401 2.5" P-401	2"P-401, P-609				1,4,6
T-3			P-154 P-154	4" P-208	2.5 P-401 2.5" P-401	2"P-401, P-609 2"P-401, P-609				2,4,6 3,4,6
T-4			P=154	4" P-208	2.5" P-401	P-609	12,500			3,4,6
T-5			P-154	4" P-208	2.5" P-401	F-009	12,500			5
1-5			1 - 154	+ 1-200	2.5 1 - +01		12,500			3
					APRONS					
A-1	CBR=12			4" P-208	2.5" P-401	2"P-401, P-609	12,500			1,3,4,6
A-2					6" P-501		UNKNOWN			

- 1. AIP-001-1986, ALL PAVEMENTS CONSTRUCTED.
- 2. AIP-002-1993, CONSTRUCT RUNWAY EXTENSION (R-2) AND PARTIAL PARALLEL TAXIWAY (T-2).
  3. AIP-003-2000, OVERLAY RUNWAY (R-1,R-2), APRON (A-1), AND TAXIWAYS (T-1,T-2,T-3); RECONSTRUCT TAXIWAY (T-4).
  4. AIP-007-2011, CRACK SEAL, FOG SEAL, AND REMARK ALL PAVEMENTS.

- AIP-008-2014, CONSTRUCT TAXIWAY (T-5).
   AIP-011-2017, CRACK SEAL, SURFACE SEAL, AND REMARK ALL PAVEMENTS.

LEGEND  2006 SURVEY AREA	DATE OF PAVEMENT STRENGTH SURVEY:			ITANA AVIATION SYSTE	
2000 SURVET AREA	STRENOTH SORVET.		2018 U	PDATE - PAVEMENT CONDITION	ON INDEXES
2009 SURVEY AREA	EVALUATED BY:			POGREBA FIELD	
2012 SURVEY AREA			†	(9S5)	
2015 SURVEY AREA	DATE OF MOST			(935)	
図 2018 SURVEY AREA	RECENT PAVEMENT	OCT. 17, 2018	Date:	Prepared For:	Prepared By:
PE ZOTO SORVET AREA	CONDITION SURVEY:			MONTANA	
MAINTAIN: PCI > 60	EVALUATED BY:	N. SCHROHT	DECEMBER 2018	MOTA	
TRANSITION: PCI 45 TO 60	LOCATION:	THREE FORKS	2018	DEPARTMENT OF TRANSPORTATION	ON CONTRACTOR OF THE PROPERTY
RECONSTRUCT: PCI < 45	1	MONTANA			

October 17, 2018



A-1, Overview



A-2, Overview



R-1, Overview



A-1, Oil Spill



A-2, Joint Seal



R-1, Cracking



R-2, Overview



T-1, Overview



T-3, Overview



R-2, Swell



T-1, Depression



T-3, Crack-Block

From: ENTIRE A	CDILLE ADDON				Family:	ACAM
					Surface:	AAC
	Inspections				DOI	<b>5</b> 0
Samples Surveyed:	5 Total Samples: 14	Last Inspecti	ion Date: 10/17/	2018	PCI:	72
Sample # 3		g •	0 "	Area:	4,500 S	F
	Distress Description	Severity	Quantity			
	PATCHING	L	1.05 SF			
	LONGITUDINAL/TRANSVERSE CRACKING	L	274 LF			
	BLEEDING	NA	3 SF			
	WEATHERING	L	4500 SF			
Sample # 6				Area:	4,500 S	F
<b></b>	<b>Distress Description</b>	Severity	Quantity		.,	_
	WEATHERING	L	4500 SF			
	LONGITUDINAL/TRANSVERSE CRACKING	L	256 LF			
	PATCHING	L	1.4 SF			
	RAVELING	L	52 SF			
					4.500.0	-
Sample # 9	D' ( D ) (1)	g 4	0 "	Area:	4,500 S	F
	Distress Description	Severity	Quantity			
	WEATHERING	L	4500 SF			
	LONGITUDINAL/TRANSVERSE CRACKING	L	251 LF			
	PATCHING	L	1.4 SF			
Sample # 12				Area:	4,500 S	F
	Distress Description	Severity	Quantity			
	PATCHING	L	2.45 SF			
	RAVELING	L	21 SF			
	WEATHERING	L	4500 SF			
	LONGITUDINAL/TRANSVERSE CRACKING	L	308 LF			
	SLIPPAGE	NA	45 SF			
Sample # 13				Area:	4,500 S	F
sample # 15	Distress Description	Severity	Quantity	mica.	4,500 L	
	WEATHERING	L	4550 SF			
	LONGITUDINAL/TRANSVERSE CRACKING	L	297 LF			
	PATCHING	L	0.35 SF			
	RAVELING	L	55 SF			
	SLIPPAGE	NA	40 SF			
	Extrapolated Distress 0	Quantities*				
	Distress Description	Severity	Quantity	Density		Deduc
	BLEEDING	N/A	8 SF	0.01%		0.0
	LONGITUDINAL/TRANSVERSE CRACKING	LOW	3,921 LF	6.15%		17.0
	PATCHING	LOW	19 SF	0.03%		2.0
	RAVELING	LOW	362 SF	0.57%		1.8
	SLIPPAGE	N/A	240 SF	0.38%		6.7
	WEATHERING	LOW	63,800 SF	100.00%		5.9
Multiple deduct values a	are scaled down from their algebraic sum to keep the model consis					
	Percent of Deduct Values Based of	n Distress Mec	hanism			
	0.0 <b>% Load</b> 80.0 <b>%</b>	6 Climate/Dura	ability		20.0 %	6 Other

THRI	EE FORK	KS AIRPO	RT			Branch:	49A	APRON		A-2
Length:	90 LF	Width:	60 LF	Area:	5,400 SF	Last	t Const: 1986		Family:	PCA/
From:	WASHING S	TATION		To:					Surface:	PCC
				l	nspections					
Samples 5	Surveyed:	1	Tot	al Samples: 1		Last Inspection	on Date: 10/17/	/2018	PCI:	35
Sample #	1							Area:	12 \$	SLABS
		Distress Des	cription			Severity	Quantity			
		LINEAR CR	ACKING			L	2 SLABS	}		
		JOINT SEAI	L DAMAGE			M	12 SLABS	}		
		POPOUTS				N/A	1 SLABS	}		
		SHATTERE	D SLAB			L	4 SLABS	}		
		SHRINKAG	E CRACKIN	G		N/A	1 SLABS	}		
		JOINT SPAI	LLING			L	1 SLABS	}		
	JOINT SPALLING				M	2 SLABS	}			
	JOINT SPALL					Н	1 SLABS	}		
				Extrapolate	d Distress Q	uantities*				
		Distress Des	cription			Severity	Quantity	Density	7	Deduc
		LINEAR CR	ACKING			L	2 SLABS	16.67%	)	12.1
		JOINT SEAI	L DAMAGE			M	12 SLABS	100.00%	)	7.00
		POPOUTS				N/A	1 SLABS	8.33%	)	6.44
		SHATTERE	D SLAB			L	4 SLABS	33.33%	)	34.07
		SHRINKAG	E CRACKIN	G		N/A	1 SLABS	8.33%	)	1.68
		JOINT SPAI	LLING			Н	1 SLABS	8.33%	)	18.52
		JOINT SPAI	LLING			M	1 SLABS	8.33%	)	2.67
		JOINT SPAI	LLING			L	2 SLABS	16.67%	)	11.54
* Multiple	deduct values are	scaled down from	their algebraic	sum to keep the n	nodel consisten	t with experime	ntal data.			
			Donasant	of Deduct Valu	og Dogod om	Digtness Meet	naniom			
			rercent	or Deader Vall	ies dased on	Distress Meci	iamsm			

7.0 % Climate/Durability

43.0 % Other

50.0 **% Load** 

0	5 13 21		ANSVERSE CR	ACKING	A 41+00	on Date: 10/17  Quantity 480 SF 317 LF  Quantity 421 LF 4800 SF	7/2018 Area: Area:	Family: Surface:  PCI: 4,800 S 4,800 S	72 6F
Sample # 5	5 13 21	Distress Description WEATHERING LONGITUDINAL/TRA Distress Description LONGITUDINAL/TRA WEATHERING  Distress Description SLIPPAGE LONGITUDINAL/TRA	ANSVERSE CR ANSVERSE CR	51 ACKING	Severity L L Severity L L L	Quantity 480 SF 317 LF  Quantity 421 LF 4800 SF	Area:	4,800 S	SF SF
Sample # 5	5 13 21	Distress Description WEATHERING LONGITUDINAL/TRA Distress Description LONGITUDINAL/TRA WEATHERING  Distress Description SLIPPAGE LONGITUDINAL/TRA	ANSVERSE CR ANSVERSE CR	ACKING	Severity L L Severity L L L	Quantity 480 SF 317 LF  Quantity 421 LF 4800 SF	Area:	4,800 S	SF SF
Sample # 1	13 21 29	WEATHERING LONGITUDINAL/TRA  Distress Description LONGITUDINAL/TRA  WEATHERING  Distress Description  SLIPPAGE LONGITUDINAL/TRA	ANSVERSE CR		L L Severity L L	480 SF 317 LF <b>Quantity</b> 421 LF 4800 SF	Area:	4,800 S	SF
	13 21 29	WEATHERING LONGITUDINAL/TRA  Distress Description LONGITUDINAL/TRA  WEATHERING  Distress Description  SLIPPAGE LONGITUDINAL/TRA	ANSVERSE CR		L L Severity L L	480 SF 317 LF <b>Quantity</b> 421 LF 4800 SF			
	13 21 29	LONGITUDINAL/TRA  Distress Description LONGITUDINAL/TRA WEATHERING  Distress Description SLIPPAGE LONGITUDINAL/TRA	ANSVERSE CR		L Severity L L	Quantity 421 LF 4800 SF			
	13 21 29	Distress Description LONGITUDINAL/TRA WEATHERING  Distress Description SLIPPAGE LONGITUDINAL/TRA	ANSVERSE CR		Severity L L	Quantity 421 LF 4800 SF			
	21 29	LONGITUDINAL/TRAWEATHERING  Distress Description SLIPPAGE LONGITUDINAL/TRA		ACKING	L L	421 LF 4800 SF			
	21 29	LONGITUDINAL/TRAWEATHERING  Distress Description SLIPPAGE LONGITUDINAL/TRA		ACKING	L L	421 LF 4800 SF	Area:		
ample# 2	21 29	WEATHERING  Distress Description  SLIPPAGE  LONGITUDINAL/TRA		ACKING	L	4800 SF	Area:	4,800 S	SF
ample# 2	21 29	<b>Distress Description</b> SLIPPAGE LONGITUDINAL/TR <i>A</i>	ANSVERSE CR				Area:	4,800 S	SF
ample # 2	29	SLIPPAGE LONGITUDINAL/TRA	ANSVERSE CR		Severity	Onantite	Area:	4,800 S	SF
ample " 2	29	SLIPPAGE LONGITUDINAL/TRA	ANSVERSE CR		Severity	Opentite	THE CO.	1,000 E	,_
	29	LONGITUDINAL/TRA	ANSVERSE CR			Quantity			
	29		ANSVERSE CR		NA	122 SF			
	29	WEATHERING		ACKING	L	369 LF			
					L	4800 SF			
Sample # 2							Area:	4,800 S	SF
		Distress Description			Severity	Quantity		,	
		WEATHERING			L	4800 SF			
		LONGITUDINAL/TRA	ANSVERSE CR	RACKING	L	283 LF			
Sample # 3	37						Area:	4,800 S	SF
		Distress Description			Severity	Quantity		,	
		RAVELING			Н	6 SF			
		LONGITUDINAL/TRA	ANSVERSE CR	RACKING	L	388 LF			
		WEATHERING			L	4800 SF			
Sample # 4	45						Area:	4,800 S	SF
•		Distress Description			Severity	Quantity			
		SLIPPAGE			NA	90 SF			
		LONGITUDINAL/TRA	ANSVERSE CR	RACKING	L	338 LF			
		WEATHERING			L	4800 SF			
ample# 5	51						Area:	4,800 S	SF
		Distress Description			Severity	Quantity		,	
		WEATHERING			L	4800 SF			
		RAVELING			Н	10 SF			
		SLIPPAGE			NA	112 SF			
		LONGITUDINAL/TRA	ANSVERSE CR	RACKING	L	280 LF			
			Extrapola	ated Distress (					
		Distress Description	NOTED ST	curs : c	Severity	Quantity	Density		Deduc
		LONGITUDINAL/TRA	ANS VERSE CR	RACKING	LOW	17,542 LF	7.13%		18.88
		RAVELING			HIGH	117 SF	0.05%		6.00
		SLIPPAGE WEATHERING			N/A LOW	2,372 SF 214,371 SF	0.96% 87.14%		11.1′ 5.8í
Multiple ded		ed down from their algebr	aic sum to keep t	he model consis			07.14%		J.63
		Perce	nt of Deduct V	alues Based o	n Distress Mec	hanism			

Length:	1,000 LF	Width: 60 LF Area: 60,000	SF Las	t Const: 2000		Family:	ACRMU
From:	R/W 20-2 ST	TA 41+00 To: R/W 20-2 ST	ΓA 51+00			Surface:	AAG
		Inspections	5				
Samples S	urveyed:	5 Total Samples: 12	Last Inspecti	on Date: 10/17	/2018	PCI:	68
Sample #	1				Area:	4,800	SF
•		Distress Description	Severity	Quantity			
		WEATHERING	L	480 SF			
		SLIPPAGE	NA	61 SF			
		LONGITUDINAL/TRANSVERSE CRACKING	L	389 LF			
		RAVELING	Н	4 SF			
Sample #	4				Area:	4,800	SF
•		Distress Description	Severity	Quantity		*	
		DEPRESSION	Н	2 SF			
		SLIPPAGE	NA	52 SF			
		WEATHERING	L	4800 SF			
		SWELL	M	3 SF			
		LONGITUDINAL/TRANSVERSE CRACKING	L	243 LF			
Sample #	7				Area:	4,800	SF
<b>.</b>		Distress Description	Severity	Quantity		.,	
		LONGITUDINAL/TRANSVERSE CRACKING	L	265 LF			
		SLIPPAGE	NA	155 SF			
		WEATHERING	L	4800 SF			
Sample #	10				Area:	4,800	SF
,		Distress Description	Severity	Quantity	122000	.,000	-
		SLIPPAGE	NA	78 SF			
		WEATHERING	L	4800 SF			
		LONGITUDINAL/TRANSVERSE CRACKING	L	271 LF			
Sample #	12				Area:	4,800	SF
<b>.</b>		Distress Description	Severity	Quantity		.,	
		WEATHERING	L	4800 SF			
		SLIPPAGE	NA	60 SF			
		LONGITUDINAL/TRANSVERSE CRACKING	L	284 LF			
		Extrapolated Distress	Quantities*				
		Distress Description	Severity	Quantity	Density		Deduc
		DEPRESSION	HIGH	5 SF	0.01%		12.0
		LONGITUDINAL/TRANSVERSE CRACKING	LOW	3,630 LF	6.05%		16.9
		RAVELING	HIGH	10 SF	0.02%		6.0
		SLIPPAGE	N/A	1,015 SF	1.69%		17.4
		SWELL	MEDIUM	8 SF	0.01%		10.0
3.6.12.3.3	1 1 . 1	WEATHERING	LOW	49,200 SF	82.00%		5.7
Multiple	neduct values are	scaled down from their algebraic sum to keep the model consi					
		Percent of Deduct Values Based of	on Distress Mecl	nanism			% Other

THK	EE FORK	KS AIRPO	KT			Branch:	49T	TAXIWAY		T-1
Length:	0 LF	Width:	0 LF	Area:	12,975 SF		t Const: 200	0		ACRMU
From:	R/W 20-2			To:	APRON WAS	H STATION R	UNUP		Surface:	AAC
					Inspections					
Samples !	Surveyed:	3	Tot	al Samples:	4	Last Inspection	on <b>Date:</b> 10/	17/2018	PCI:	57
Sample #	2							Area:	2,750	SF
		Distress Desc	cription			Severity	Quantity			
		SLIPPAGE				NA	105 SF			
		DEPRESSIO:	N			M	11 SF			
		LONGITUDI	NAL/TRAN	SVERSE CF	RACKING	M	8 LF			
		LONGITUDI	NAL/TRAN	SVERSE CF	RACKING	L	75 LF			
		WEATHERI	NG			L	2750 SF			
ample #	3							Area:	3,675	SF
		Distress Desc	cription			Severity	Quantity		-,	
		LONGITUDI	-	SVERSE CE	RACKING	L	131 LF			
		SLIPPAGE				NA	258 SF			
		WEATHERI	NG			L	3675 SF			
Sample #	4							Area:	3,675	SF
pie	•	Distress Desc	ription			Severity	Quantity	111000	5,075	51
		SLIPPAGE	<b>-</b>			NA	16 SF			
		WEATHERI	NG			L	3675 SF			
		LONGITUDI	NAL/TRAN	SVERSE CF	RACKING	L	222 LF			
				Extrapola	ated Distress Q	uantities*				
		Distress Desc	cription			Severity	Quantity	Density	7	Deduc
		DEPRESSIO				MEDIUM	14 SF	0.11%		5.19
		LONGITUDI				LOW	550 LF	4.24%		13.07
		LONGITUDI	NAL/TRAN	SVERSE CF	RACKING	MEDIUM	10 LF	0.08%		4.00
		SLIPPAGE				N/A	487 SF	3.75%		30.66
		WEATHERI				LOW	12,975 SF	100.00%	, ,	5.90
Multiple	deduct values are	scaled down from t		•		•				
				of Deduct V	alues Based on					
		0.0 %	6 Load		39.0 <b>%</b>	Climate/Dura	bility		61.0	% Other

	S AIRPORT			Branch:	49T	TAXIWAY		T-2
Length: LF	Width: 0 LF	Area:	74,150 SF	Las	t Const: 2000	0	Family:	
rom: PARALLELS	RWY 20-2	To:					Surface:	AA
			Inspections					
Samples Surveyed:	5 T	otal Samples: 1	6	Last Inspection	on Date: 10/	17/2018	PCI:	7
Sample # 2						Area:	3,700	SF
_	<b>Distress Description</b>			Severity	Quantity			
	LONGITUDINAL/TRA	NSVERSE CRA	CKING	L	259 LF			
	SLIPPAGE			NA	192 SF			
	WEATHERING			L	3700 SF			
Sample # 6						Area:	5,000	SF
vampie " 0	Distress Description			Severity	Quantity	111000	5,000	51
	LONGITUDINAL/TRA	NSVERSE CRA	CKING	L	51 LF			
	WEATHERING			L	5000 SF			
Sample # 10						Area:	5,000	<b>C</b> E
sample # 10	Distress Description			Severity	Quantity	Alta.	3,000	31
	LONGITUDINAL/TRA	NSVERSE CRA	CKING	M	5 LF			
	WEATHERING	NO VERSE CREE	CKIIVO	L	5000 SF			
	SLIPPAGE			NA	12 SF			
	LONGITUDINAL/TRA	NSVERSE CRA	CKING	L	122 LF			
Sample # 14						Area:	5,000	SF
,	Distress Description			Severity	Quantity	1210	2,000	
	LONGITUDINAL/TRA	NSVERSE CRA	CKING	L	65 LF			
	WEATHERING			L	5000 SF			
Sample # 16						Area:	5,000	SF
	Distress Description			Severity	Quantity		-,	
	WEATHERING			L	5000 SF			
	SLIPPAGE			NA	20 SF			
	LONGITUDINAL/TRA	NSVERSE CRA	CKING	L	125 LF			
		Extrapolate	ed Distress Q	uantities*				
	<b>Distress Description</b>			Severity	Quantity	Density		Dedu
	LONGITUDINAL/TRA			LOW	1,946 LF	2.62%		9.0
	LONGITUDINAL/TRA	NSVERSE CRA	CKING	MEDIUM	16 LF	0.02%		4.0
	SLIPPAGE			N/A	701 SF	0.95%		10.
Multiple deduct values are s	WEATHERING scaled down from their algebra	ic sum to keep the	model consiste	LOW ent with experim	74,150 SF ental data.	100.00%		5.
	Percen	t of Deduct Value	ues Based on	Distress Mech	anism			
	0.0 % Load			Climate/Dura			37.0	% Othe

Length:	370 LF	KS AIRPORT Width: 90 LF Area: 33,300	Branch:	Branch: 49T TAXIWAY  Last Const: 2000			T-3  Family: ACRMU		
From:	370 LF A-1	To: T-2	Sr Las	t Const. 2000		Surface:	ACKMI		
		Inspection	S						
Samples S	Surveyed:	4 Total Samples: 8	Last Inspection	on <b>Date:</b> 10/17	7/2018	PCI:	67		
Sample #	1				Area:	5,400	SF		
		Distress Description	Severity	Quantity		, , , , , ,			
		LONGITUDINAL/TRANSVERSE CRACKING	L	247 LF					
		RAVELING	Н	1 SF					
		WEATHERING	L	5400 SF					
		DEPRESSION	L	10 SF					
ample #	3				Area:	5,400	SF		
		Distress Description	Severity	Quantity		-,			
		DEPRESSION	L	10 SF					
		WEATHERING	L	5400 SF					
		RAVELING	Н	1 SF					
		LONGITUDINAL/TRANSVERSE CRACKING	L	235 LF					
		SLIPPAGE	NA	124 SF					
		DEPRESSION	M	8 SF					
		LONGITUDINAL/TRANSVERSE CRACKING	M	18 LF					
ample #	5				Area:	5,400	SF		
		Distress Description	Severity	Quantity		-,			
		WEATHERING	L	5400 SF					
		LONGITUDINAL/TRANSVERSE CRACKING	L	322 LF					
		LONGITUDINAL/TRANSVERSE CRACKING	M	23 LF					
ample #	7				Area:	4,464	SF		
umpre	•	Distress Description	Severity	Quantity	122 000	.,			
		RAVELING	L	6 SF					
		LONGITUDINAL/TRANSVERSE CRACKING	L	404 LF					
		PATCHING	M	80 SF					
		WEATHERING	L	4464 SF					
		Extrapolated Distress	Quantities*						
		Distress Description	Severity	Quantity	Density	,	Dedu		
		DEPRESSION	LOW	32 SF	0.10%		0.3		
		DEPRESSION	MEDIUM	13 SF	0.04%		5.2		
		LONGITUDINAL/TRANSVERSE CRACKING	LOW	1,947 LF	5.85%		16.5		
		LONGITUDINAL/TRANSVERSE CRACKING	MEDIUM	66 LF	0.20%		5.		
		PATCHING	MEDIUM	129 SF	0.39%		7.		
		RAVELING	HIGH	3 SF	0.01%		6.0		
		RAVELING	LOW	10 SF	0.03%		1.0		
		SLIPPAGE	N/A	200 SF	0.60%		8.		
		WEATHERING	LOW	33,300 SF	100.00%		5.9		
Multiple	deduct values are	scaled down from their algebraic sum to keep the model cons	istent with experim	ental data.					
		Percent of Deduct Values Based	on Distress Mecl	nanism					
·	<u></u>	0.0 <b>% Load</b> 76.0	% Climate/Dura	ıbility		24.0	% Othe		

Length: 1,91 From: T-2	18 LF <b>Width:</b> 37 LF	<b>Area:</b> 70,344 <b>To:</b> T-3	SF Las	st Const: 2000	)	Family: Surface:	ACRMU AC
		Inspection	S				
Samples Survey	<b>yed:</b> 5	<b>Total Samples:</b> 16	Last Inspecti	on Date: 10/	17/2018	PCI:	60
Sample # 3	Distress Description WEATHERING		Severity L	<b>Quantity</b> 2448 SF	Area:	2,448 \$	SF
Sample # 7	Distress Description WEATHERING LONGITUDINAL/TI SLIPPAGE	RANSVERSE CRACKING	Severity L L NA	<b>Quantity</b> 4950 SF 275 LF 201 SF	Area:	4,950 \$	SF
Sample # 11	Distress Description WEATHERING SLIPPAGE LONGITUDINAL/TI	RANSVERSE CRACKING	Severity L NA L	Quantity 5062 SF 288 SF 94 LF	Area:	5,062 \$	SF
Sample # 15	Distress Description WEATHERING DEPRESSION LONGITUDINAL/TI SLIPPAGE	RANSVERSE CRACKING	Severity L L L NA	Quantity 2550 SF 20 SF 234 SF 456 LF	Area:	2,550 \$	SF
Sample # 16	Distress Description LONGITUDINAL/TI WEATHERING	RANSVERSE CRACKING	Severity L L	Quantity 20 LF 2550 SF	Area:	2,550 \$	SF
		Extrapolated Distress	Quantities*				
* Multiple deduct	Distress Description DEPRESSION LONGITUDINAL/TI SLIPPAGE WEATHERING values are scaled down from their alge	RANSVERSE CRACKING	Severity LOW LOW N/A LOW istent with experim	Quantity 80 SF 2,496 LF 3,785 SF 70,344 SF nental data.	Density 0.11% 3.55% 5.38% 100.00%		0.30 11.43 37.80 5.96
-	<u> </u>	cent of Deduct Values Based	*	hanism			% Other

THRE	EE FORK	KS AIRPORT			Branch:	49T	TAXIWAY		T-5
Length:	954 LF	Width: 25 LF	Area:	29,847 SF	Las	st Const: 2000	)	Family:	ACRMU
From:	T-4		To:	HANGARS				Surface:	AC
				Inspections					
Samples S	Surveyed:	3	Total Samples:	6	Last Inspecti	on Date: 10/	17/2018	<b>PCI:</b>	92
Sample #	2						Area:	4,600	SF
		<b>Distress Description</b>			Severity	Quantity			
		RAVELING			H	1 SF			
		DEPRESSION			L	1 SF			
		WEATHERING			L	4600 SF			
Sample #	4						Area:	4,600	SF
•		Distress Description			Severity	Quantity			
		WEATHERING			L	4600 SF			
Sample #	6						Area:	5,000	SF
		Distress Description			Severity	Quantity		-,	
		WEATHERING			L	5000 SF			
			Extrapola	nted Distress Qu	antities*				
		Distress Description			Severity	Quantity	Density		Deduct
		DEPRESSION			LOW	2 SF	0.01%		0.30
		RAVELING			HIGH	2 SF	0.01%		6.00
		WEATHERING			LOW	29,847 SF	100.00%		5.96
* Multiple o	deduct values are	scaled down from their algebr	aic sum to keep t	he model consister	nt with experim	ental data.			
		Perce	nt of Deduct V	alues Based on l	Distress Mecl	hanism			
		0.0 % Load		98.0 %	Climate/Dura	ability		2.0	% Other

## **THREE FORKS AIRPORT (49)**

FIFTEEN Y	EAR PROJECTIONS			ESTI	MATED AVERAGE A	ANNUAL COST:	\$	103,516
Plan Year	: 2019				Estimated Cost:	\$487,807	PCI	
Section	Maintenance	Local	Global	Major <crit< th=""><th>Major&gt;Crit</th><th>Total</th><th>Before</th><th>After</th></crit<>	Major>Crit	Total	Before	After
A-2	Major Below Critical	\$0	\$0	\$32,648	\$0	\$32,648	35	100
A-1	Preventive + Global MR	\$2,772	\$21,692	\$0	\$0	\$24,463	72	76
R-1	Preventive + Global MR	\$10,675	\$83,639	\$0	\$0	\$94,314	72	76
R-2	Preventive + Global MR	\$3,720	\$20,400	\$0	\$0	\$24,120	68	73
T-5	Global MR	\$0	\$10,148	\$0	\$0	\$10,148	92	98
T-1	Major Below Critical	\$0	\$0	\$45,815	\$0	\$45,815	56	100
T-4	Major Below Critical	\$0	\$0	\$216,413	\$0	\$216,413	59	100
T-2	Preventive + Global MR	\$1,118	\$25,211	\$0	\$0	\$26,329	79	82
T-3	Preventive + Global MR	\$2,235	\$11,322	\$0	\$0	\$13,556	67	72

Plan Year	: 2020				Estimated Cost:	\$14,527	PCI	
Section	Maintenance	Local	Global	Major <crit< th=""><th>Major&gt;Crit</th><th>Total</th><th>Before</th><th>After</th></crit<>	Major>Crit	Total	Before	After
A-1	Preventive	\$1,957	\$0	\$0	\$0	\$1,957	75	75
A-2	None	\$0	\$0	\$0	\$0	\$0	97	97
R-1	Preventive	\$7,576	\$0	\$0	\$0	\$7,576	75	75
R-2	Preventive	\$2,712	\$0	\$0	\$0	\$2,712	71	71
T-2	Preventive	\$660	\$0	\$0	\$0	\$660	81	81
T-3	Preventive	\$1,622	\$0	\$0	\$0	\$1,622	70	70
T-1	None	\$0	\$0	\$0	\$0	\$0	97	97
T-4	None	\$0	\$0	\$0	\$0	\$0	97	97
T-5	None	\$0	\$0	\$0	\$0	\$0	96	96

Plan Year	: 2021				Estimated Cost:	\$17,140	PCI	
Section	Maintenance	Local	Global	Major <crit< th=""><th>Major&gt;Crit</th><th>Total</th><th>Before</th><th>After</th></crit<>	Major>Crit	Total	Before	After
A-1	Preventive	\$2,335	\$0	\$0	\$0	\$2,335	73	73
A-2	None	\$0	\$0	\$0	\$0	\$0	94	94
R-1	Preventive	\$9,023	\$0	\$0	\$0	\$9,023	73	73
R-2	Preventive	\$3,138	\$0	\$0	\$0	\$3,138	70	70
T-2	Preventive	\$747	\$0	\$0	\$0	\$747	80	80
T-3	Preventive	\$1,896	\$0	\$0	\$0	\$1,896	69	69
T-1	None	\$0	\$0	\$0	\$0	\$0	94	94
T-4	None	\$0	\$0	\$0	\$0	\$0	94	94
T-5	None	\$0	\$0	\$0	\$0	\$0	94	94

Plan Year:	: 2022				Estimated Cost:	\$20,065	PCI	
Section	Maintenance	Local	Global	Major <crit< th=""><th>Major&gt;Crit</th><th>Total</th><th>Before</th><th>After</th></crit<>	Major>Crit	Total	Before	After
A-1	Preventive	\$2,711	\$0	\$0	\$0	\$2,711	72	72
A-2	None	\$0	\$0	\$0	\$0	\$0	91	91
R-1	Preventive	\$10,460	\$0	\$0	\$0	\$10,460	72	72
R-2	Preventive	\$3,636	\$0	\$0	\$0	\$3,636	68	68
T-2	Preventive	\$1,077	\$0	\$0	\$0	\$1,077	79	79
T-3	Preventive	\$2,181	\$0	\$0	\$0	\$2,181	67	67
T-1	None	\$0	\$0	\$0	\$0	\$0	91	91
T-4	None	\$0	\$0	\$0	\$0	\$0	91	91
T-5	None	\$0	\$0	\$0	\$0	\$0	92	92

Plan Year	: 2023				Estimated Cost:	\$23,181	PCI	
Section	Maintenance	Local	Global	Major <crit< th=""><th>Major&gt;Crit</th><th>Total</th><th>Before</th><th>After</th></crit<>	Major>Crit	Total	Before	After
A-1 A-2 R-1 R-2 T-1	Preventive Preventive Preventive Preventive Preventive	\$3,088 \$11 \$11,896 \$4,134 \$26	\$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0	\$3,088 \$11 \$11,896 \$4,134 \$26	70 88 70 66 88	70 88 70 66 88

THREE	FORKS AIRPORT	(49)						
T-2	Preventive	\$1,405	\$0	\$0	\$0	\$1,405	78	78
T-3	Preventive	\$2,466	\$0	\$0	\$0	\$2,466	65	65
T-4	Preventive	\$141	\$0	\$0	\$0	\$141	88	88
T-5	Preventive	\$15	\$0	\$0	\$0	\$15	90	90

Plan Year:	: 2024				Estimated Cost:	\$199,138	PCI	
Section	Maintenance	Local	Global	Major <crit< th=""><th>Major&gt;Crit</th><th>Total</th><th>Before</th><th>After</th></crit<>	Major>Crit	Total	Before	After
A-2	Preventive	\$26	\$0	\$0	\$0	\$26	85	86
A-1	Preventive + Global MR	\$3.531	\$21,692	\$0	\$0	\$25.223	69	74
R-1	Preventive + Global MR	\$13,591	\$83,639	\$0	\$0	\$97,231	69	74
R-2	Preventive + Global MR	\$4,632	\$20,400	\$0	\$0	\$25,032	65	70
T-1	Preventive	\$61	\$0	\$0	\$0	\$61	85	86
T-4	Preventive	\$333	\$0	\$0	\$0	\$333	85	86
T-2	Preventive + Global MR	\$1,732	\$25,211	\$0	\$0	\$26,943	77	80
T-3	Preventive + Global MR	\$2,749	\$11,322	\$0	\$0	\$14,071	63	69
T-5	Preventive + Global MR	\$71	\$10,148	\$0	\$0	\$10,219	88	94

Plan Year:	: 2025				Estimated Cost:	\$20,281	PCI	
Section	Maintenance	Local	Global	Major <crit< th=""><th>Major&gt;Crit</th><th>Total</th><th>Before</th><th>After</th></crit<>	Major>Crit	Total	Before	After
A-1	Preventive	\$2,654	\$0	\$0	\$0	\$2,654	72	72
A-2	Preventive	\$40	\$0	\$0	\$0	\$40	83	83
R-1	Preventive	\$10,243	\$0	\$0	\$0	\$10,243	72	72
R-2	Preventive	\$3,552	\$0	\$0	\$0	\$3,552	68	68
T-1	Preventive	\$97	\$0	\$0	\$0	\$97	83	83
T-2	Preventive	\$1,038	\$0	\$0	\$0	\$1,038	79	79
T-3	Preventive	\$2,131	\$0	\$0	\$0	\$2,131	67	67
T-4	Preventive	\$525	\$0	\$0	\$0	\$525	83	83
T-5	None	· \$0	\$0	\$0	\$0	\$0	92	92

Plan Year	: 2026				Estimated Cost:	\$23,503	PCI	
Section	Maintenance	Local	Global	Major <crit< th=""><th>Major&gt;Crit</th><th>Total</th><th>Before</th><th>After</th></crit<>	Major>Crit	Total	Before	After
A-1	Preventive	\$3,032	\$0	\$0	\$0	\$3,032	71	71
A-2	Preventive	\$58	\$0	\$0	\$0	\$58	80	80
R-1	Preventive	\$11,678	\$0	\$0	\$0	\$11,678	71	71
R-2	Preventive	\$4,050	\$0	\$0	\$0	\$4,050	67	67
T-1	Preventive	\$140	\$0	\$0	\$0	\$140	80	80
T-2	Preventive	\$1,367	\$0	\$0	\$0	\$1,367	78	78
T-3	Preventive	\$2.414	\$0	\$0	\$0	\$2.414	66	66
T-4	Preventive	\$757	\$0	\$0	\$0	Ś757	80	80
T-5	Preventive	. \$7	\$0	\$0	\$0	\$7	90	90

Plan Year	: 2027				Estimated Cost:	\$27,711	PCI	
Section	Maintenance	Local	Global	Major <crit< th=""><th>Major&gt;Crit</th><th>Total</th><th>Before</th><th>After</th></crit<>	Major>Crit	Total	Before	After
A-1	Preventive	\$3,461	\$0	\$0	\$0	\$3,461	69	69
A-2	Preventive	\$117	\$0	\$0	\$0	\$117	77	77
R-1	Preventive	\$13,322	\$0	\$0	\$0	\$13,322	69	69
R-2	Preventive	\$4,545	\$0	\$0	\$0	\$4,545	65	65
T-1	Preventive	\$281	\$0	\$0	\$0	\$281	77	77
T-2	Preventive	\$1,697	\$0	\$0	\$0	\$1,697	77	77
T-3	Preventive	\$2,699	\$0	\$0	\$0	\$2,699	64	64
T-4	Preventive	\$1,525	\$0	\$0	\$0	\$1,525	77	77
T-5	Preventive	\$63	\$0	\$0	\$0	\$63	88	88

Plan Year: 2028 Estimated Cost: \$32,110 PCI

Section	Maintenance	Local	Global	Major <crit< th=""><th>Major&gt;Crit</th><th>Total</th><th>Before</th><th>After</th></crit<>	Major>Crit	Total	Before	After
A-1	Preventive	\$3,933	\$0	\$0	\$0	\$3,933	68	68
A-2	Preventive	\$176	\$0	\$0	\$0	\$176	74	75
R-1	Preventive	\$15,116	\$0	\$0	\$0	\$15,116	68	68
R-2	Preventive	\$5,043	\$0	\$0	\$0	\$5,043	63	63
T-1	Preventive	\$422	\$0	\$0	\$0	\$422	74	75
T-2	Preventive	\$2,025	\$0	\$0	\$0	\$2,025	76	76
T-3	Preventive	\$2,984	\$0	\$0	\$0	\$2,984	62	62
T-4	Preventive	\$2,291	\$0	\$0	\$0	\$2,291	74	75
T-5	Preventive	\$120	\$0	\$0	\$0	\$120	86	86

Plan Year:	: 2029				Estimated Cost:	\$388,080	PCI	
Section	Maintenance	Local	Global	Major <crit< th=""><th>Major&gt;Crit</th><th>Total</th><th>Before</th><th>After</th></crit<>	Major>Crit	Total	Before	After
A-2	Preventive	\$235	\$0	\$0	\$0	\$235	72	72
A-1	Preventive + Global MR	\$4,402	\$21,692	\$0	\$0	\$26,094	66	71
R-1	Preventive + Global MR	\$16,926	\$83,639	\$0	\$0	\$100,565	66	71
R-2	Preventive + Global MR	\$5,544	\$20,400	\$0	\$0	\$25,944	62	67
T-1	Preventive + Global MR	\$565	\$27,896	\$0	\$0	\$28,461	72	87
T-2	Preventive + Global MR	\$2,355	\$25,211	\$0	\$0	\$27,566	75	78
T-3	Preventive + Global MR	\$3,268	\$11,322	\$0	\$0	\$14,590	60	66
T-4	Preventive + Global MR	\$3,061	\$151,240	\$0	\$0	\$154,301	72	87
T-5	Preventive + Global MR	\$177	\$10,148	\$0	\$0	\$10,325	84	90

Plan Year: 2030					Estimated Cost:	\$26,055	PCI	
Section	Maintenance	Local	Global	Major <crit< th=""><th>Major&gt;Crit</th><th>Total</th><th>Before</th><th>After</th></crit<>	Major>Crit	Total	Before	After
A-1	Preventive	\$3,391	\$0	\$0	\$0	\$3,391	69	69
A-2	Preventive	\$300	\$0	\$0	\$0	\$300	69	69
R-1	Preventive	\$13,038	\$0	\$0	\$0	\$13,038	69	69
R-2	Preventive	\$4,461	\$0	\$0	\$0	\$4,461	65	65
T-1	Preventive	\$79	\$0	\$0	\$0	\$79	84	84
T-2	Preventive	\$1,658	\$0	\$0	\$0	\$1,658	77	77
T-3	Preventive	\$2,647	\$0	\$0	\$0	\$2,647	64	64
T-4	Preventive	\$429	\$0	\$0	\$0	\$429	84	84
T-5	Preventive	\$52	\$0	\$0	\$0	\$52	88	88

Plan Year: 2031					Estimated Cost:	\$29,783	PCI	
Section	Maintenance	Local	Global	Major <crit< td=""><td>Major&gt;Crit</td><td>Total</td><td>Before</td><td>After</td></crit<>	Major>Crit	Total	Before	After
		40.000	4.0	40	40	40.000		
A-1	Preventive	\$3,860	\$0	\$0	\$0	\$3,860	68	68
A-2	Preventive	\$373	\$0	\$0	\$0	\$373	66	66
R-1	Preventive	\$14,832	\$0	\$0	\$0	\$14,832	68	68
R-2	Preventive	\$4,959	\$0	\$0	\$0	\$4,959	63	64
T-1	Preventive	\$114	\$0	\$0	\$0	\$114	81	81
T-2	Preventive	\$1,984	\$0	\$0	\$0	\$1,984	76	76
T-3	Preventive	\$2,932	\$0	\$0	\$0	\$2,932	62	62
T-4	Preventive	\$620	\$0	\$0	\$0	\$620	81	81
T-5	Preventive	\$108	\$0	\$0	\$0	\$108	86	87

Plan Year: 2032					Estimated Cost:	\$33,907	PCI	
Section	Maintenance	Local	Global	Major <crit< th=""><th>Major&gt;Crit</th><th>Total</th><th>Before</th><th>After</th></crit<>	Major>Crit	Total	Before	After
A-1	Preventive	\$4,329	\$0	\$0	\$0	\$4,329	66	67
A-2	Preventive	\$447	\$0	\$0	\$0	\$447	63	64
R-1	Preventive	\$16,631	\$0	\$0	\$0	\$16,631	66	67
R-2	Preventive	\$5,457	\$0	\$0	\$0	\$5,457	62	62
T-1	Preventive	\$210	\$0	\$0	\$0	\$210	78	79
T-2	Preventive	\$2,313	\$0	\$0	\$0	\$2,313	75	75
T-3	Preventive	\$3,215	\$0	\$0	\$0	\$3,215	61	61
T-4	Preventive	\$1,139	\$0	\$0	\$0	\$1,139	78	79
T-5	Preventive	\$165	\$0	\$0	\$0	\$165	84	85

## **THREE FORKS AIRPORT (49)**

Plan Year: 2033					Estimated Cost:	\$139,837	PCI	
Section	Maintenance	Local	Global	Major <crit< th=""><th>Major&gt;Crit</th><th>Total</th><th>Before</th><th>After</th></crit<>	Major>Crit	Total	Before	After
	Danisation	¢4.004	ćo	ćo	ćo	ć 4 004	C.F.	C.F.
A-1	Preventive	\$4,801	\$0	\$0	<b>\$</b> 0	\$4,801	65	65
A-2	Preventive	\$521	\$0	\$0	\$0	\$521	61	61
R-1	Preventive	\$18,439	\$0	\$0	\$0	\$18,439	65	65
R-2	Preventive	\$5,955	\$0	\$0	\$0	\$5,955	60	60
T-3	Major Below Critical	\$0	\$0	\$104,995	\$0	\$104,995	59	100
T-1	Preventive	\$352	\$0	\$0	\$0	\$352	76	76
T-2	Preventive	\$2,643	\$0	\$0	\$0	\$2,643	74	74
T-4	Preventive	\$1,910	\$0	\$0	\$0	\$1,910	76	76
T-5	Preventive	\$221	\$0	\$0	\$0	\$221	83	83